



USS PINCKNEY (DDG 91)

LENGTH: 509'
BEAM: 66'
DISPLACEMENT: 9157 TONS
PROPULSION: (4) GAS TURBINE ENGINES (100,000 SHAFT HORSEPOWER)
MISSION: ANTI-AIR WARFARE (AAW)
 ANTI-SUBMARINE WARFARE (ASW)
 STRIKE WARFARE (STW)
 SURFACE WARFARE (SUW)

DESIGN FEATURES:

1. First new design since the 1970s.
2. Designed from the keel up vice a mix and match of hulls and superstructures.
3. Superstructure has "stealth" design for a low radar profile.
4. The Collective Protection System (CPS) provides full time, three zone, Chemical, Biological, and Radiological defense.

NEW SYSTEMS ABOARD PINCKNEY:

1. AN/SPY-1D AIR and SURFACE SEARCH RADAR.

The AN/SPY-1D is the primary air, surface search, and fire control radar for the combat systems suite. It is a high power, multifunction phased-array radar capable of search, automatic detection, transition to track, and track of surface and air targets.

2. MK41 MOD15 VERTICAL LAUNCHING SYSTEM (VLS).

The VLS is a multi-mission launching system used to both stow and launch guided missiles for the AEGIS Weapons Control System (WCS). PINCKNEY's total missile capacity consists of 96 cells (32 FWD and 64 AFT).

3. AN/SQQ-89 (V)15 SURFACE ANTI-SUBMARINE WARFARE COMBAT SYSTEM.

The newest hull mounted sonar with enhanced littoral and deep-water capabilities.

4. REMOTE MINE HUNTING SYSTEM AN/WLD-1 (V)1.

PINCKNEY is the first Destroyer in the US arsenal to carry this vehicle, which provides the capability to remotely conduct mine reconnaissance. Remote reconnaissance is conducted in anticipated operating areas, including navigation choke-points and transit lanes while the ship remains outside the mine threat area. The systems will conduct rapid recon of the deep water region (greater than 200ft) to the 30-foot contour of the very shallow region.

5. MK45 MOD4 5" 62 CALIBER GUN.

This gun is a shielded, automatic fire, dual-purpose mount designed to function against surface and air targets. The mount has a range more than three times that of current mounts used on other naval vessels and can fire standard 5" rounds or the new Extended Range Guided Munition (ERGM). The ERGM provides the Gun Weapons System (GWS) with greater standoff range, increased lethality, and accuracy compared to the standard 5" round. The 5" 62 caliber is capable of firing 16-20 rounds per minute of the standard 5" round, or 10 rounds per minute of ERGM.

6. COMMERCIAL OFF THE SHELF TECHNOLOGY (COTS).

PINCKNEY is the first ship to use all COTS for replacement items. This allows for quicker turn-around on required replacement parts. Getting a replacement part for a piece of equipment can now be as easy as buying it at Radio Shack!